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AUG 16 2004  
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PATENT & TRADEMARK OFFICE  
Application No. 10/603,304  
Paper Dated August 13, 2004  
Attorney Docket No. 116-031009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/603,304 Confirmation No. 3048  
Applicant : MIYUKI MATSUYA ET AL.  
Filed : June 25, 2003  
Title : CHARGED-PARTICLE BEAM APPARATUS EQUIPPED  
WITH ABERRATION CORRECTOR  
Group Art Unit : 2881  
Customer No. : 28289

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Filed herewith are copies of seven (7) technical articles and two (2) U.S. patents which are referred to in the specification of the above-referenced patent application. A completed Form PTO/SB/08A is enclosed.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due for the submission of this Information Disclosure Statement, as it is being submitted before the mailing date of a first Office Action on the merits. However, should an Office Action on the merits issue prior to

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Lori A. Fratangelo  
(Name of Person Mailing Paper)

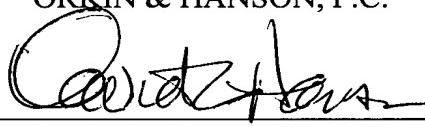
Lori A. Fratangelo 08/13/2004  
Signature Date

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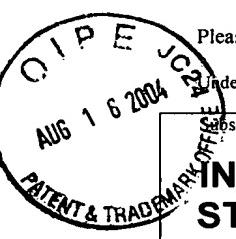
the mailing date of this Information Disclosure Statement, the Commissioner for Patents and Trademarks is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

<p style="text-align: center;"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<p style="text-align: center;"><b>Complete if Known</b></p> <table border="1"> <tr> <td><u>Application Number</u></td> <td>10/603,304</td> </tr> <tr> <td><u>Filing Date</u></td> <td>June 25, 2003</td> </tr> <tr> <td><u>First Named Inventor</u></td> <td>Miyuki MATSUYA</td> </tr> <tr> <td><u>Group Art Unit</u></td> <td>2881</td> </tr> <tr> <td><u>Examiner Name</u></td> <td>Not Yet Assigned</td> </tr> <tr> <td><u>Attorney Docket Number</u></td> <td>0116-031009</td> </tr> </table>		<u>Application Number</u>	10/603,304	<u>Filing Date</u>	June 25, 2003	<u>First Named Inventor</u>	Miyuki MATSUYA	<u>Group Art Unit</u>	2881	<u>Examiner Name</u>	Not Yet Assigned	<u>Attorney Docket Number</u>	0116-031009
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Sheet	1	of	2														

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

<b>Examiner Signature</b>		<b>Date Considered</b>	
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/603,304
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				Group Art Unit	2881
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	0116-031009

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.	T <sup>2</sup>
		VON H. ROSE, OPTIK 33, Heft 1, 1971, pages 1-24.	
		VON H. ROSE, OPTIK 34, Heft 3, 1971, pages 285-311.	
		E. MUNRO ET AL., "High-resolution, low-energy beams by means of mirror optics", J. Vac. Sci. Technol. B 6 (6), Nov./Dec. 1988, pages 1971-1976.	
		J. ZACH, "Design of a high-resolution low-voltage scanning electron microscope", OPTIK 83, No. 1 (1989), pages 30-40.	
		H. ROSE, "Inhomogeneous Wien filter as a corrector compensating for the chromatic and spherical aberration of low-voltage electron microscopes", OPTIK 84, No. 3 (1990), pages 91-107.	
		H. ROSE, "Outline of a spherically corrected semiaplanatic medium-voltage transmission electron microscope", OPTIK 85, No. 1 (1990), pages 19-24.	
		JOACHIM ZACH ET AL., "Aberration correction in a low voltage SEM by a multipole corrector", Nucl. Instr. and Meth. in Phys. Res. A 363 (1995), pages 316-325.	

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